

Revising the CCMP for the Delaware Estuary



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Executive Director

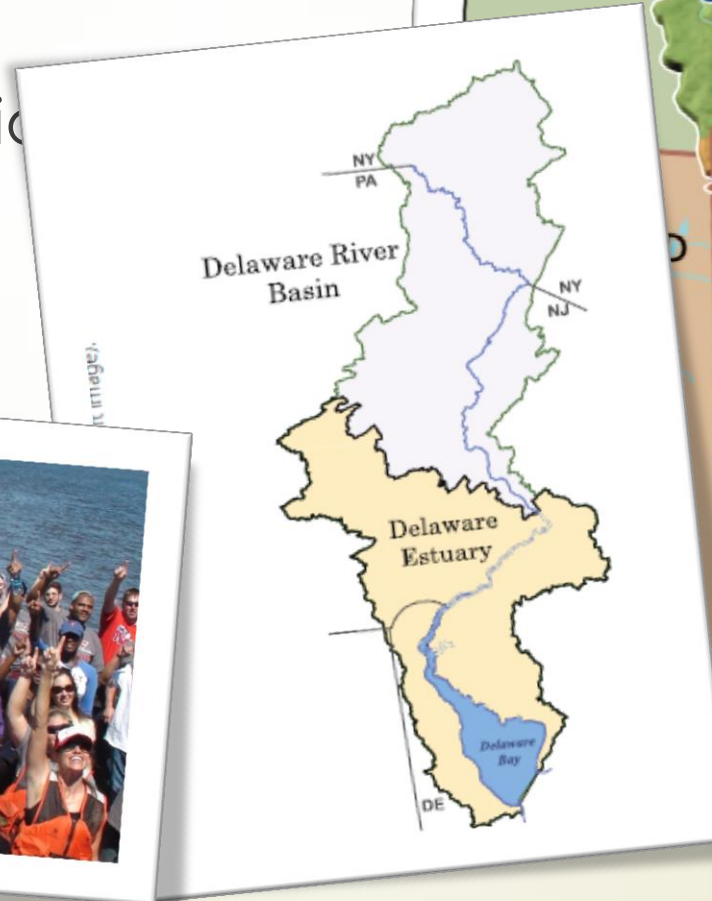
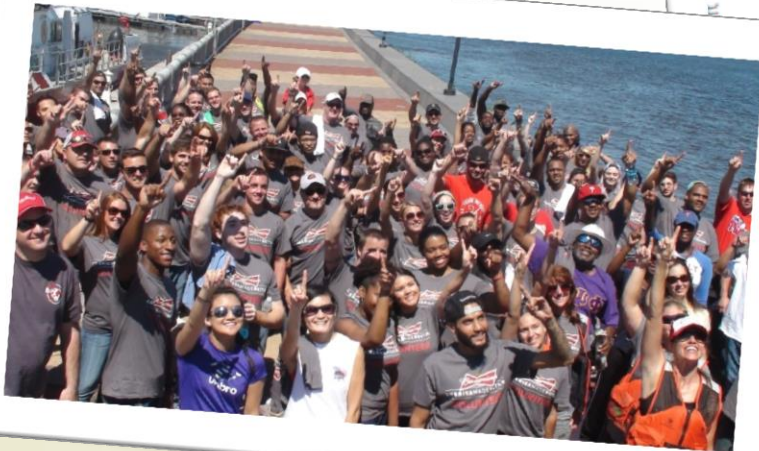


Connecting people, science, and nature for a healthy Delaware River and Bay



The Delaware Estuary

- Over 6,000 sq miles
- 6.7 million people
- 7% of PA (35% of population)
- 26% of NJ
- 50% of DE





Our Vision

Working together for clean water, thriving fish and wildlife, and abundant recreational activities in and around the tidal Delaware River and Bay to support communities and a robust economy

Our Values

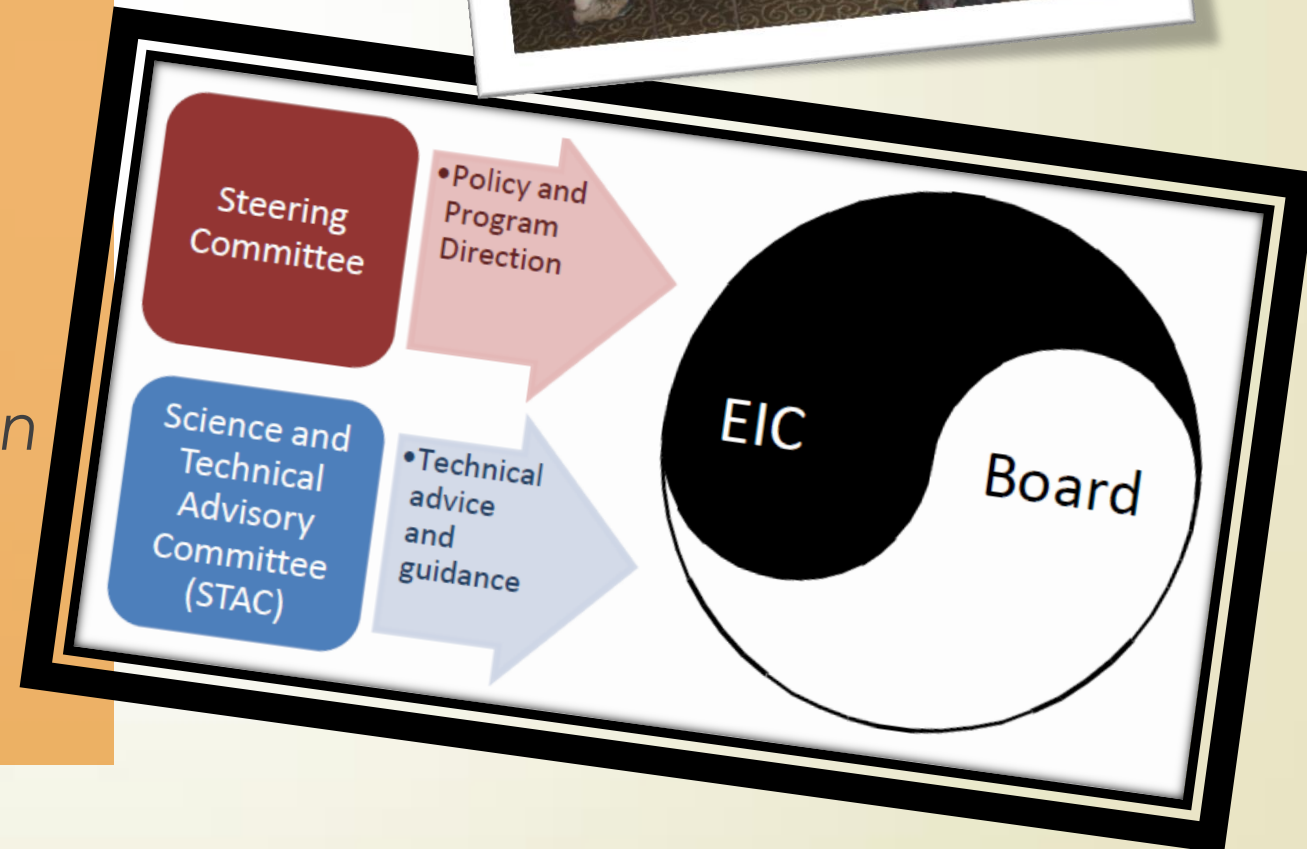
- Science
- Collaboration
- Innovation
- Balance
- Strategic Investment





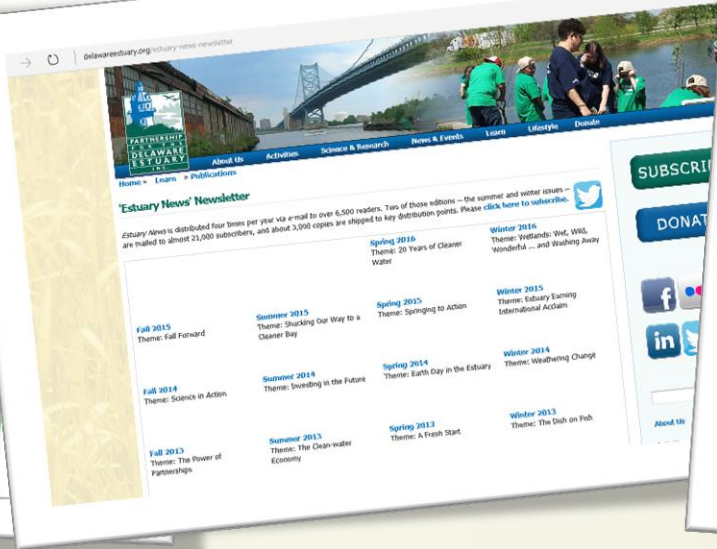
Our Role & Partners

- Delaware Department of Natural Resources & Environmental Control
- New Jersey Department of Environmental Protection
- Pennsylvania Department of Environmental Protection
- Philadelphia Water
- Delaware River Basin Commission
- U.S. Environmental Protection Agency
- And many more!



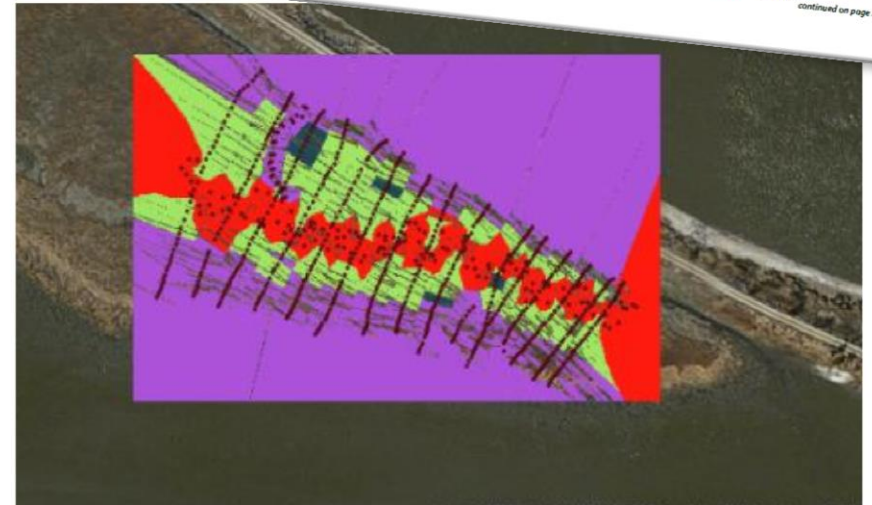
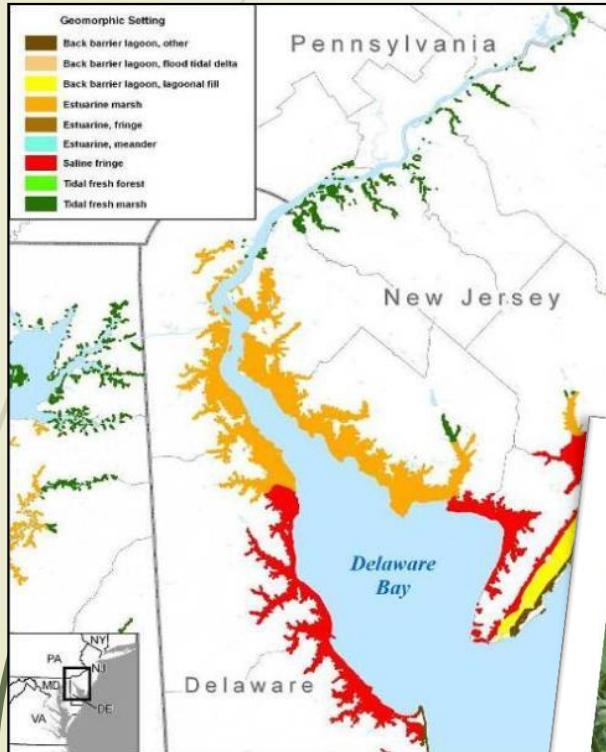


Our CCMP: Engaging People



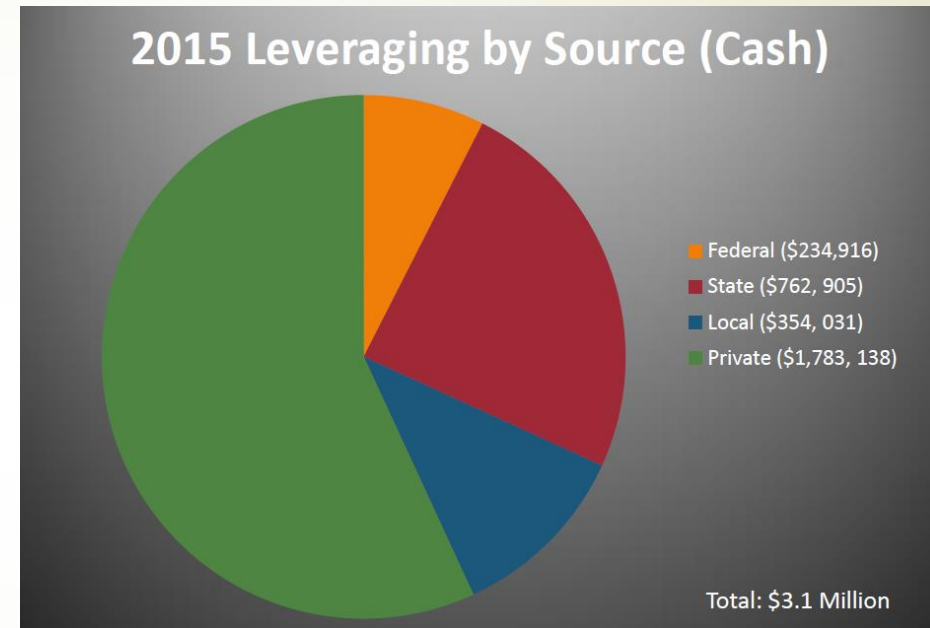
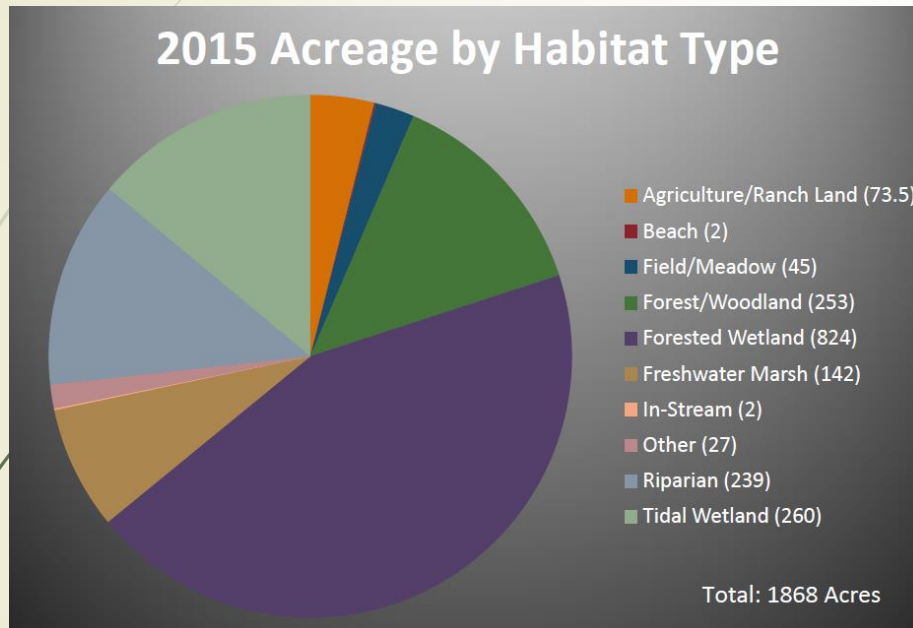


Our CCMP: Science & Data



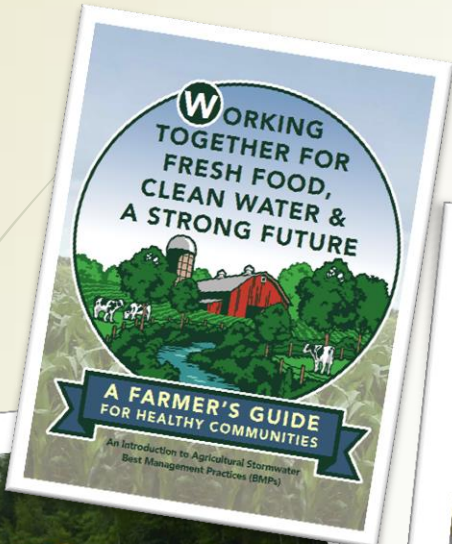


Our CCMP: Land Management



Over 43,000 acres and \$180 million leveraged to protect and restore the Delaware Estuary since 2006

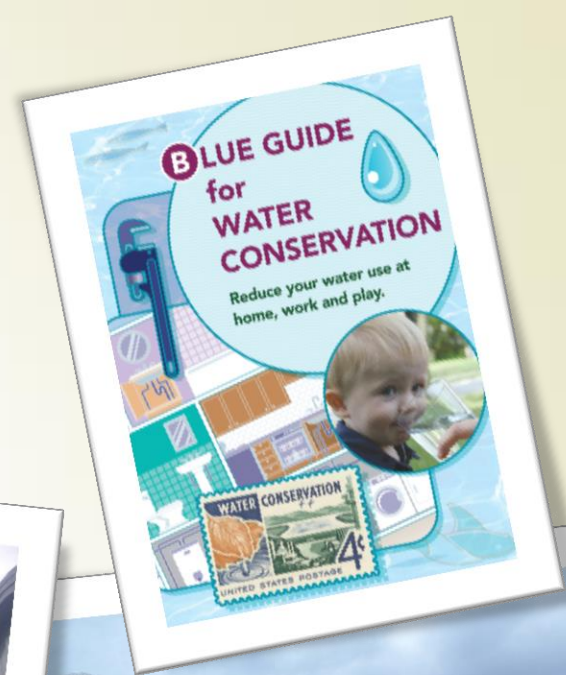
Our CCMP: Clean Water



Nearly 45 projects to reduce pollution from abandoned mines



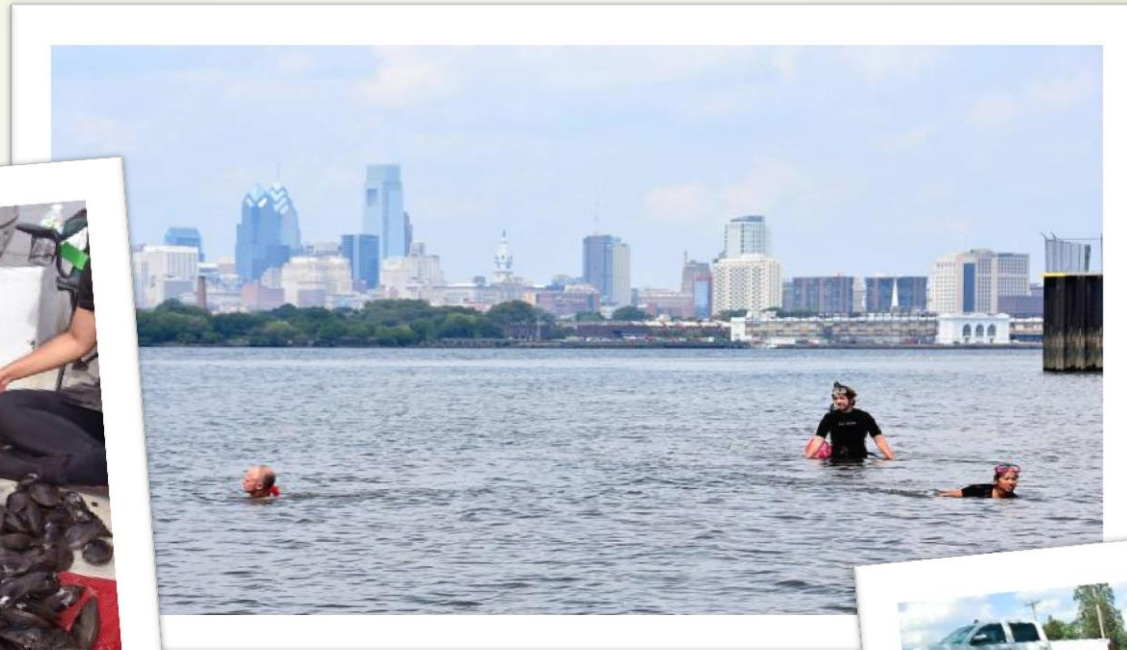
Over 200 projects to reduce stormwater runoff pollution (many of which also engage communities and schools)



Over 175 projects to reduce polluted runoff from farms

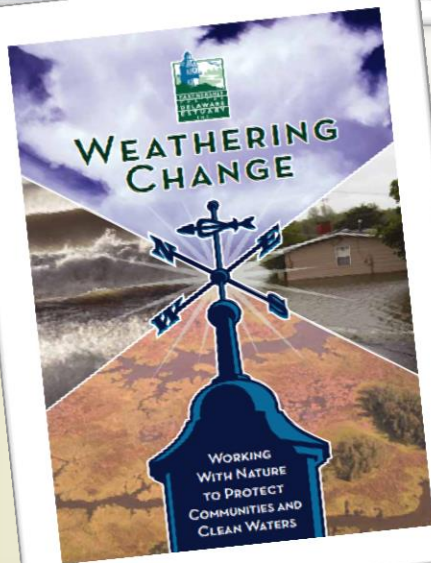


Our CCMP: Living Resources

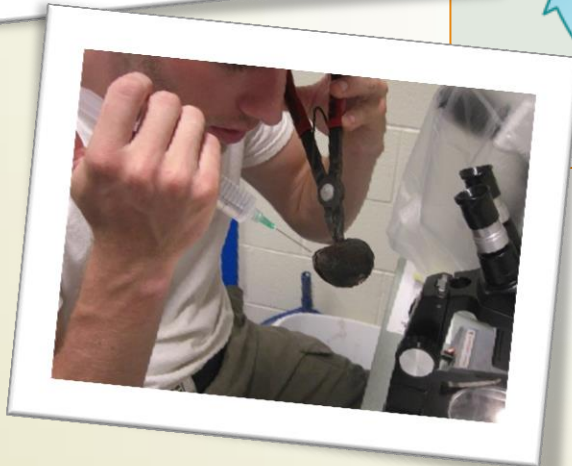
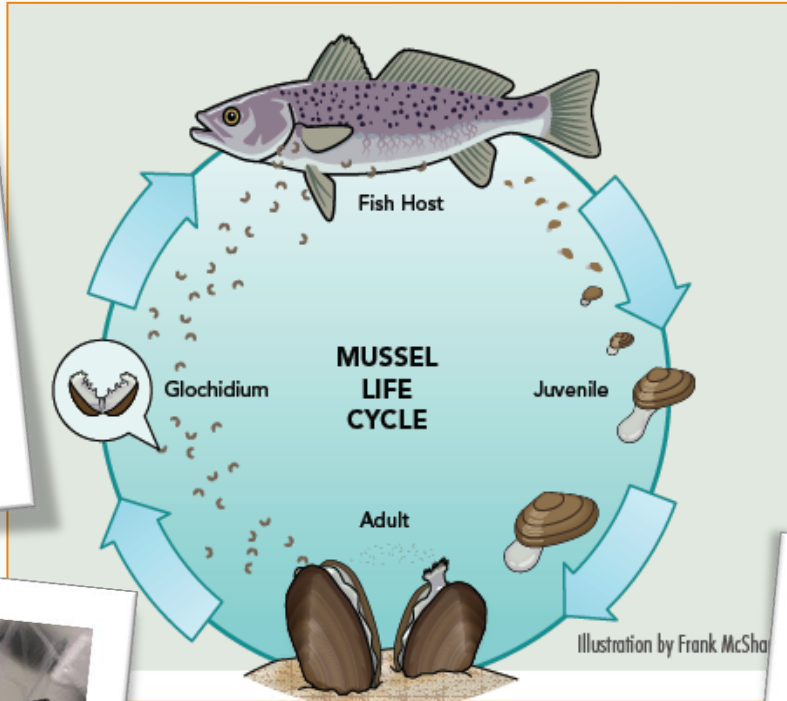




A CCMP for the Next 20 Years: Climate Change

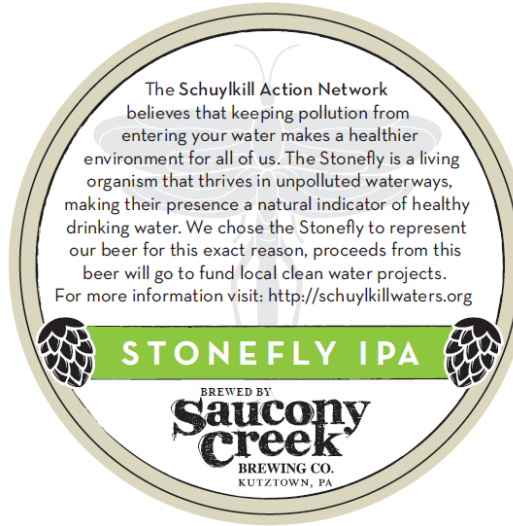


A CCMP for the Next 20 Years: New Technology





A CCMP for the Next 20 Years: New Partnerships





A CCMP for the Next 20 Years: What do you think?



Healthy Waters Goals

Toxics

- Reduce total loads of PCBs
- Improve fish consumption advisories as a result of reduced toxic loads in fish

Nutrients

- Measure improvements from nutrient reductions in at least one estuary end-point (like wetlands or shellfish)
- Implement nutrient-reducing BMPs every year, in every major watershed

Flow

- Achieve and maintain flow at benchmarks for drinking water and the ecology under changing watershed conditions



A CCMP for the Next 20 Years: What do you think?



Healthy Communities Goals

Healthy Growth

- Restore vacant urban waterfronts (with access, wetlands)
- Take action to increase resilience in river/bay front communities

Public Access

- Sustain and enhance access to the bay and improve access to the river
- Increase protected land with public access

Public Engagement

- Increase PDE web visits, downloads, and newsletters subscriptions
- Engage citizen science volunteers and stewards in major metro areas and watershed



A CCMP for the Next 20 Years: What do you think?



Healthy Habitats Goals

Wetlands

- Limit loss of tidal wetlands
- Measure and maintain tidal wetland health
- No net loss of non-tidal wetlands

Forests

- Stem forest loss basin-wide
- Identify and protect high priority forests

Fish and Shellfish

- Maintain or increase oyster beds and productivity
- Measure and improve abundance and habitat for freshwater mussels, spawning horseshoe crabs, iconic fish like sturgeon, and nursery habitat for fish and crabs.
- Restore fish passage



A CCMP for the Next 20 Years: Revision Process



Early 2016:
Engage
Experts and
Contractors

Late 2016:
Begin
Drafting
Actions with
Expert Input

Mid-2017:
Develop
Draft
Actions
into a Plan

2018:
Finalize
and
Approve
Plan

Mid-2016:
Seek
Initial
Public
Input

Early 2017:
Introduce
Draft
Actions at
Summit

Late 2017:
Post Plan
for Public
Comment



Questions?

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